

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	3	("20030034594"   "20040154562"   "6685105").PN.	US- PGPUB; USPAT	ADJ	OFF	2008/07/24 21:03
S3	6	("3438686"   "4562505"   "4943004"   "5421591"   "6336329"   "6371708").PN.	US- PGPUB; USPAT	ADJ	OFF	2008/07/25 11:34
S4	41	fuel injector AND "239".clas. AND pressure booster	US- PGPUB; USPAT	ADJ	OFF	2008/07/25 11:37
S6	53	fuel injector AND "239".clas. AND pressure boost\$3	US- PGPUB; USPAT	ADJ	OFF	2008/07/31 18:52
S7	41	fuel injector AND "239".clas. AND pressure booster	US- PGPUB; USPAT	ADJ	OFF	2008/07/31 18:53
S8	12	S6 not S7	US- PGPUB; USPAT	ADJ	OFF	2008/07/31 18:53
S9	6	("3438686"   "4562505"   "4943004"   "5421591"   "6336329"   "6371708").PN.	US- PGPUB; USPAT	ADJ	OFF	2008/08/01 16:13
S10	172	schmieder.in.	US- PGPUB; USPAT	ADJ	OFF	2008/08/01 18:01
S11	42	S10 AND valve	US- PGPUB; USPAT	ADJ	OFF	2008/08/01 18:02
S12	28	S10 AND piezoelectric	US- PGPUB; USPAT	ADJ	OFF	2008/08/01 18:02
S13	12	bruetsch.in.	US- PGPUB; USPAT	ADJ	OFF	2008/08/01 18:05
S14	4	S13 AND piezoelectric	US- PGPUB; USPAT	ADJ	OFF	2008/08/01 18:05
S15	481	fuel injector AND "239".clas. AND reservoir	US- PGPUB; USPAT	ADJ	OFF	2008/08/07 18:19
S16	42	fuel injector AND "239".clas. AND high pressure reservoir	US- PGPUB; USPAT	ADJ	OFF	2008/08/07 18:19

S17	26	("3995813"   "4649886"   "4720077"   "4728074"   "4784102"   "4909440"   "5057734"   "5080079"   "5130598"   "5186151"   "5237968"   "5361014"   "5452858"   "5477831"   "5479902"   "5482213"   "5605134"   "5694903"   "5697554"   "5779149"   "5860597"   "5884848"   "5979803"   "6079641").PN. OR ("6412704").URPN.	US- PGPUB; USPAT; USOCR	ADJ	OFF	2008/08/07 18:35
S18	42	fuel injector AND "239".clas. AND pressure booster	US- PGPUB; USPAT	ADJ	OFF	2008/08/18 16:55
S19	5867	(239/102.2,88,89,96,533.1-533.9,585.1-585.5).CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/08/18 16:58
S20	2419	S19 AND fuel injector	US- PGPUB; USPAT; USOCR	ADJ	OFF	2008/08/18 16:59
S21	47	S20 AND sleeve AND boost\$	US- PGPUB; USPAT; USOCR	ADJ	OFF	2008/08/18 17:00
S22	32	S21 AND piezoelectric	US- PGPUB; USPAT; USOCR	ADJ	OFF	2008/08/18 17:01
S23	5	("4784102"   "6079636"   "6390385"   "6766965"   "6776354").PN.	USPAT	ADJ	OFF	2008/08/18 17:13
S24	1	("20070131800").PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/08/21 14:41
S25	5869	(239/102.2,88,89,96,533.1-533.9,585.1-585.5).CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/08/25 14:59
S26	137	S25 AND guide AND (ground OR polished)	USPAT	ADJ	OFF	2008/08/25 14:59
S27	19	S25 AND needle guide AND (ground OR polished)	USPAT	ADJ	OFF	2008/08/25 14:59
S28	0	S25 AND needle guide AND (ground NEAR5 polished)	USPAT	ADJ	OFF	2008/08/25 14:59
S29	0	S25 AND needle guide NEAR5 (ground OR polished)	USPAT	ADJ	OFF	2008/08/25 15:01
S30	22	S25 AND guide NEAR5 (ground OR polished)	USPAT	ADJ	OFF	2008/08/25 15:01
S31	5869	(239/102.2,88,89,96,533.1-533.9,585.1-585.5).CCLS.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/08/25 18:37

S32	8	S31 AND valve member NEAR5 (ground OR polished)	USPAT	ADJ	OFF	2008/08/25 18:37
S33	18	((US-20040154562-\$ or US-20030034594-\$ or US-20040026839-\$ or US-20070096375-\$ or US-20010035465-\$ or US-20050035212-\$ or US-20070131800-\$ or US-20060169802-\$).did. or (US-6685105-\$ or US-6915785-\$ or US-6530555-\$ or US-6079636-\$ or US-6390385-\$ or US-6766965-\$ or US-6776354-\$ or US-4784102-\$ or US-6260776-\$ or US-4083498-\$).did.)	US- PGPUB; USPAT	ADJ	OFF	2008/08/26 17:26
S34	3	("20030034594"   "20040154562"   "6685105").PN.	US- PGPUB; USPAT	ADJ	OFF	2008/08/26 17:26
S35	15	S33 NOT S34	US- PGPUB; USPAT	ADJ	OFF	2008/08/26 17:26

8/ 26/ 2008 5:27:46 PM

C:\ Documents and Settings\dsharpe\ My Documents\ EAST\ Workspaces\ 10-578907 Fuel Injector with direct needle control.wsp